



Form GSOP 1-PIN (04/98)

STATE OF CALIFORNIA
Department of General Services - Office of Procurement

PURCHASE ORDER

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Purchase Order No. Rev. Date
62131 6/30/2008

Supplier No. 801847	Solicitation No. 57031	Delivery Date 90 Days ARO	FOB Point Destination	Invoice Terms
S DEPT OF PUBLIC HEALTH h T DEODC-ENVIRON. HEALTH LAB i o 850 MARINA BAY PKWY, G365 p RICHMOND, CA 94804 Attn: JIANWEN SHE (510)620-2881		C CA DEPT PUBLIC HEALTH h a T CPSS PURCHASING SERV UNIT r o PO BOX 997377 g e SACRAMENTO, CA 95899-7377		
Agency Billing 83851	Agency Purchase Estimate DPH2226507-5390	Purchase Estimate 67120	Revision 0	
Agency Contact MIKE SWANSON		Phone 916-650-0136	Date Received	

THERMO ELECTRON NORTH AMERICA
LLC
1400 NORTH POINTE PARKWAY
WEST PALM BEACH, FL 34407

Phone: 800-532-4752

Item No.	Quantity	Unit	Commodity Code	Description	Unit Price	Extension
<p>THE GENERAL PROVISIONS FOR NON-IT COMMODITIES ARE HEREBY INCORPORATED BY REFERENCE. THESE GENERAL PROVISIONS CAN BE OBTAINED BY PHONING (916) 375-4400 OR BY ACCESSING OUR WEBSITE AT:</p> <p>www.documents.dgs.ca.gov/pd/modellang/GPnonIT0407.pdf</p> <p>THE FOLLOWING INFORMATION IS PROVIDED FOR AGENCY USE ONLY:</p> <p>PRIME CONTRACTOR: NS</p> <p>FISCAL YEAR: 2007/2008</p>						
1	1	EA	6630-363-0103-0	CHROMATOGRAPH GAS (AS DESCRIBED) CHROMATOGRAPH GAS (AS DESCRIBED) INSLAB/CHMINS/CHRGAS	470,546.8900	470,546.89
<p><u>SET IN PLACE AND OPERATIONAL :</u> Inductively Coupled Plasma Mass Spectrometer ICP/MS, fully integrated, computer controlled, in accordance with attached specification.</p> <p>Brand: <u>THERMO FISHER SCIENTIFIC</u> Model: <u>DES DIOXIN PACKAGE B INCLUDING</u> Packaging: <u>2X TRACE GC AND TRIPLUS AS</u></p>						
Total Value:						470,546.89
<p>FOR THE PURPOSE OF THIS AWARD, ONLY F.O.B. Destination will be accepted.</p> <p>This Purchase order has been registered into the state contract and procurement registration system (https://www.scprs.dgs.ca.gov/). The registration number is: 17600808330324.</p> <p>This purchase order is being awarded on August 25th, 2008 pursuant to Government Code Section 13332.17. Any encumbrances made pursuant to this purchase order shall be construed to have been made on the last day of the preceding fiscal year.</p>						

Sales and/or use tax to be extra unless noted above

Buyer EVONNE ROGERS	Phone 916-375-4346	BOC Number
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Department of General Services - Office of Procurement

Form GSOP 2-PIN (04/98)

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<i>Purchase Order No.</i>	<i>Revision</i>	<i>Date</i>	<i>Supplier No.</i>	<i>Supplier Name</i>
62131		6/30/2008	801847	THERMO ELECTRON NORTH AMERICA

Item No.	Quantity	Unit	Commodity Code	Description	Unit Price	Extension
CHANGE ORDERS:						
<p>A Purchase Order may be amended, modified, or terminated at any time by mutual agreement of the parties in writing. Change Orders amending, modifying or terminating the Purchase Order, including any modifications of the compensation payable, may be issued only by the State Procurement Officer. All such Change Orders shall be in writing and issued only upon written concurrence of the supplier. Termination, as that term is used in this section, does not include termination for default of the supplier.</p>						

STATE OF CALIFORNIA

Bid Specification

High Resolution Gas Chromatograph - High Resolution Mass Spectrometry System (HRGC / HRMS)

1. Scope

The requirement herein describes a High Resolution Gas Chromatograph - High Resolution Mass Spectrometer (HRGC - HRMS) for the Department of Public Health.

2. Applicable Specifications

Specifications and standards references in this document in effect on the opening of the Invitation for Bid, form a part of this specification where referenced.

3. Requirements

3.1 The system shall consists of the following:

- 3.1.1 High resolution gas chromatograph and high resolution double focus mass spectrometer.
- 3.1.2 Autosampler: fully controlled and integrated autosampler
- 3.1.3 High resolution gas chromatograph
- 3.1.4 Plug-in ion source
- 3.1.5 Power conditioner
- 3.1.6 Turbo molecular pump with automated protection system
- 3.1.7 Software for instrument control, data acquisition and processing, computer, monitor and printer
- 3.1.8 On-site training

3.2 The system performance shall be as follows

- 3.2.1 Mass range at reduced acceleration voltage at least to 6000; at full acceleration voltage at least to 1200
- 3.2.2 High resolution (static) mass spectrometer $\geq 60,000$ (10% valley)
- 3.2.3 GC/MS Sensitivity: EI GC/MS S / N $> 800 : 1$ or better for 100 fg for 2378 TCDD at m/z 322, R = 10,000.
- 3.2.4 Mass accuracy < 2 ppm
- 3.2.5 Low power consumption (< 10 KW) and low space requirement (350cm x 350cm).
- 3.2.6 Analyzer should be able to be mounted on third floor (either on an integrated shock mounted platform or using an air cushion)
- 3.2.7 Filament exchange without venting of system
- 3.2.8 Long life electron multiplier or photomultiplier